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BUREAU OF LAND MANAGEMENT MONTHLY ALERT

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December 1998

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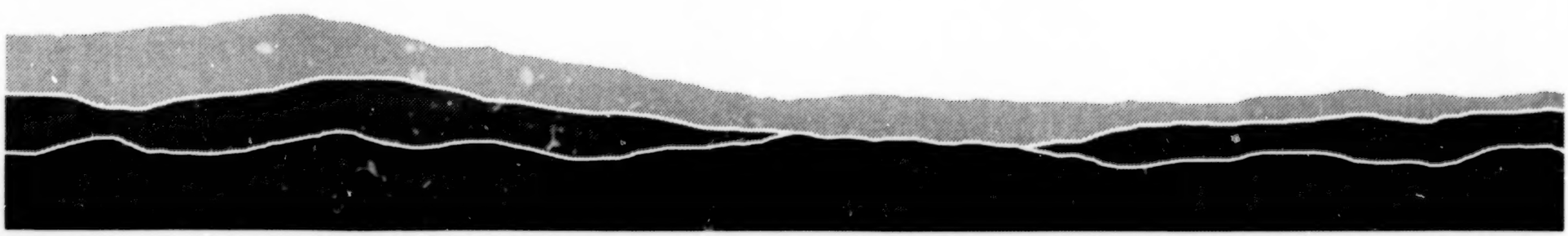
- *RECENT ADDITIONS Book List*



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About the MONTHLY ALERT ...

Forestry Topics

1. Forests and Forestry
General treatments of the subject; forestry and society; topical issues; education; agency annual reports.

2. Forest Operations
a. Silviculture: silvicultural systems; economics; stand improvement; measurement; operations management; natural and artifical regeneration, genetics.
b. Engineering: road construction; protective works; logging; equipment.

3. Forest Injury and Protection
Insect damage and control; pesticide applications; insect and disease surveys; forest pathology.

4. Fire Management
All aspects, including presuppression, prevention education, behavior; fire weather.

5. Watershed Management, with Soil and Site Factors
Hydrology; runoff; sedimentation; erosion; climatology; meteorology; habitat regions; precipitation.

6. Range and Wildlife Management

7. Forest Recreation

8. Forest Products Research
Wood technology and utilization; markets and marketing; forest products industries.

Allied Topics

9. Life Sciences
Plant and animal ecology; botany; environmental quality; biochemistry; zoology; physiology; animal genetics.

10. Computer Science, Statistics and Mathematics

11. Social Sciences
Environmental policy; regional planning; landscape analysis and planning; behavioral psychology; personnel management; office procedure and management.

12. Other Topics

The citations listed in this **Alert** are arranged in broad topical categories. This permits browsing by subject interest.

The **Species Index** and the **Subject Index** on the following pages identify

individual citations by narrower, specific topics,
e.g., management treatments,
problem areas, and geographic locations.

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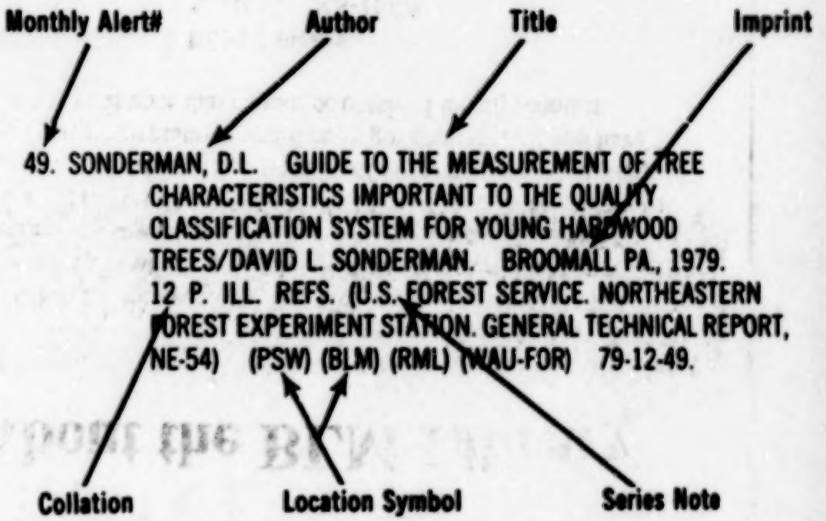

About Bureau of Land Management *Monthly Alert*

Bureau of Land Management *Monthly Alert* announces recent publications significant to natural resources management and research. These publications are located and made available through an interagency agreement between BLM and the USFS Forest Information Network. Subject areas are generally limited to renewable resources and fire management.

Most items listed in each ***Monthly Alert*** are reprints of current journal articles or research papers. They are sent to you at your office without charge upon receipt of your order (see inside back cover). Books and other large documents will be loaned to you for a specific period of time. Those items available for loan only are identified by a • beside the item in the citation.

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BLM-ALERT!

BLM's Management Alert section is available in this month's issue.

Journals available through the internet as of October 1998 are listed following the Geology Alert.

010. FORESTRY--GENERAL

1. Biologists deliver parting shot. Inner voice; Vol. 10, issue 3 (May/June 1998): p. 7.

2. Campbell, V. L.; Bush, J. Cooperative interagency forest recovery efforts : dealing with the fire's aftermath. Proceedings : first conference on fire effects on rare and endangered species and habitats, Coeur d'Alene, Idaho, November 1995. Fairfield, WA : International Association of Wildland Fire, c1997: p. 15-17.

3. McQuillan, A. G. Honesty and foresight in computer visualizations. Journal of forestry; Vol. 96, no. 6 (June 1998): p. 15-16.

4. Miller, C. What's best for Colorado aspen? Inner voice; Vol. 10, issue 3 (May/June 1998): p. 17-20.

5. Munson, M. Washington Forest Protection Association. Women in natural resources; Vol. 19, no. 2 (spring 1998): p. 31-34.

6. Phillips, C. G.; Randolph, J.; Bailey, T. Has ecosystem management really changed practices on the National Forests? Journal of forestry; Vol. 96, no. 5 (May 1998): p. 40-45.

7. Rasmussen, M. Spiking an Oregon forest. Inner voice; Vol. 10, issue 3 (May/June 1998): p. 8.

8. Scurlock, D. From the Rio to the Sierra : an environmental history of the Middle Rio Grande Basin. Fort Collins, CO: U.S. Dept. of Agriculture, Forest Service, Rocky Mountain Research Station; 1998: 440 p. (General technical report RMRS; 5).

9. Selin, S. The promise and pitfalls of collaborating. Trends; Vol. 35, no. 1 (Apr. 1998): p. 9-13.

10. Viitala, E. J.; Hanninen, H. Measuring the efficiency of public forestry organizations. Forest science; Vol. 44, no. 2 (May 1998): p. 298-307.

012. METHODOLOGY AND ADVANCED TECHNOLOGY

11. Hellstrom, E. Qualitative comparative analysis : a useful tool for research into forest policy and forestry conflicts. Forest science; Vol. 44, no. 2 (May 1998): p. 254-265.

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030. FOREST ENGINEERING

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21. Gustafson, E. J. Expanding the scale of forest management : allocating timber harvests in time and space. Forest ecology and management; Vol. 87, nos. 1/3 (Oct. 1996): p. 27-39.

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23. Mullis, C. F.; Bowman, J. K. Use of woodwaste for road construction in southeast Alaska. Proceedings of the 6th International Conference on Low-Volume Roads, 1995 June 25-29, Minneapolis, MN. Washington, DC : National Academy Press, 1995: p. 53-61.

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28. Buckley, D. J.; Berry, J. K.; Teck, R. M. Seamlessly linking FVS, SVS and ARC/INFO. Integrating spatial information technologies for tomorrow : GIS '97 conference proceedings, Feb. 17-20, 1997. Fort Collins, Colo. : GIS World, 1997: p. 417.

29. Clay, G. R. Integrating GIS with scenic modeling for improved agency/public relations. Integrating spatial information technologies for tomorrow : GIS '97 conference proceedings, Feb. 17-20, 1997. Fort Collins, Colo. : GIS World, 1997: p. 37-40.

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050. SILVICULTURE

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50. Mixed planting of jack pine, black and white spruce. Thunder Bay, Ont.: Northwest Science & Technology; [1996?]: 18 p. (Technical report (Ontario. Northwest Science & Technology); 10).

073. PLANT PHYSIOLOGY

51. Ansley, R. J.; Trevino, B. A.; Jacoby, P. W. Intraspecific competition in honey mesquite : leaf and whole plant responses. Journal of range management; Vol. 51, no. 3 (May 1998): p. 345-352.

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54. Kiefer, J. W.; Fenn, M. E. Using vector analysis to assess nitrogen status of ponderosa and Jeffrey pine along deposition gradients in forests of southern California. Forest ecology and management; Vol. 94, nos. 1/3 (June 1997): p. 47-59.

55. Kubiske, M. E. Populus tremuloides photosynthesis and crown architecture in response to elevated CO2 and soil N availability. Oecologia; Vol. 110, no. 3 (1997) : p. 328-336.

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074. PLANT ECOLOGY

59. Martinez-Ramos, M.; Samper K., C. Tree life history patterns and forest

dynamics : a conceptual model for the study of plant demography in patchy environments. Journal of sustainable forestry; Vol. 6, nos. 1/2 (1998): p. 85-125.

60. Richardson, D. M. Forestry trees as invasive aliens. Conservation biology; Vol. 12, no. 1 (Feb. 1998): p. 18-26.

61. Tanaka, H.; Shibata, M.; Nakashizuka, T. A mechanistic approach for evaluating the role of wind dispersal in tree population dynamics. Journal of sustainable forestry; Vol. 6, nos. 1/2 (1998): p. 155-174.

080. PLANT INJURY/PEST CONTROL

62. Hall, T. J. Forest ecosystem sustainability : a need for disease. Pennsylvania forests; (spring 1998): p. 8-10.

081. MYCOLOGY/PATHOLOGY

63. Dunlap, J. M.; Stettler, R. F. Genetic variation and productivity of Populus trichocarpa and its hybrids. 9, Phenology and Melampsora rust incidence of native black cottonwood clones from four river valleys in Washington. Forest ecology and management; Vol. 87, nos. 1/3 (Oct. 1996) : p. 233-256.

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Lepidoptera : Utah gypsy moth eradication program: 1989-1993. Ogden, UT: U.S. Dept. of Agriculture, Forest Service, Intermountain Region; 1996: 26 p.

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084. ENVIRONMENTAL INJURY

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085. ANIMAL DAMAGE

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112. TERRESTRIAL ANIMALS

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178. Boroski, B. B.; Barrett, R. H.; Timossi, I. C.; Kie, J. G. Modelling habitat suitability for black-tailed deer (Odocoileus hemionus Columbianus) in heterogeneous landscapes. Forest ecology and management; Vol. 88, nos. 1/2 (Nov. 1996): p. 157-165.

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241. FUNGI

182. Joseph, G.; Kelsey, R. G.; Thies, W. G. Hydraulic conductivity in roots of ponderosa pine infected with black-stain (Leptographium wageneri) or annosus (Heterobasidion annosum) root disease. Tree physiology; Vol. 18, no. 5 (May 1998): p. [333]-339.

300. OTHER TOPICS

183. Johnson, J. M. Bats and human rabies. Grist; Vol. 42, no. 1 (winter 1998): p. 12.

GEOLOGY ALERT - December 1998

COAL/HYDROCARBONS

G001. TITLE: Pleistocene to Holocene contrasts in organic matter production and preservation on the California continental margin
AUTHOR(S): Dean, Walter E.; Gardner, James V.
SOURCE: Geological Society of America Bulletin vol. 110 no. 7; p. 888-899
DATE: 199807

G002. TITLE: Computer modeling and simulation of coalbed methane resources
AUTHOR(S): Young, G. B. C.
EDITOR(S): Flores, Romeo M.
SOURCE: International Journal of Coal Geology vol. 35 no. 1-4; p. 369-379
DATE: 199802
ISSN: 0166-5162
NOTE: Special issue

G003. TITLE: Risk-based corrective action has redefined petroleum remediation in the 1990s
AUTHOR(S): Smith, Jeffrey A.
SOURCE: The Professional Geologist vol. 34 no. 12; p. 2-5
DATE: 199711
ISSN: 0279-0521

G004. MONOGRAPH TITLE: Summary of information on aquatic biota and their habitats in the Willamette Basin, Oregon, through 1995
AUTHOR(S): Altman, Bob; Henson, Colleen M.; Waite, Ian R.
SOURCE: Water-Resources Investigations - U. S. Geological Survey
DATE: 1997 174 p.
REPORT NO.: WRI 97-4023
NOTE: Includes appendices
NOTE: Prepared in cooperation with the U.S. Fish and Wildlife Service; National Water-Quality Assessment Program

GROUNDWATER

G005. MONOGRAPH TITLE: Quality of shallow gr water in alluvial aquifers of the Willamette Basin, Oregon, 1993-95
AUTHOR(S): Hinkle, Stephen R.
SOURCE: Water-Resources Investigations - U. S. Geological Survey
DATE: 1997 48 p.
REPORT NO.: WRI 97-4082-B
NOTE: National Water-Quality Assessment Program

MINERALS/MINERALOGY

G006. TITLE: Organic matter preservation on continental slopes; importance of mineralogy and surface area
AUTHOR(S): Ransom, Barbara; Kim, Dongseon; Kastner, Miriam; Wainwright, Sonya
SOURCE: Geochimica et Cosmochimica Acta vol. 62 no. 8; p. 1329-1345
DATE: 199804
ISSN: 0016-7037

G007. TITLE: Isotopic and geochemical characteristics of Laramide magmatic systems in Arizona and implications for the genesis of porphyry copper deposits
AUTHOR(S): Lang, James R.; Titley, Spencer R.
SOURCE: Economic Geology and the Bulletin of the Society of Economic Geologists vol. 93 no. 2; p. 138-170
DATE: 199804
ISSN: 0361-0128
NOTE: Includes appendix

G008. TITLE: A case for delamination of the deep batholithic crust beneath the Sierra Nevada, California
AUTHOR(S): Ducea, Mihai; Saleeby, Jason
SOURCE: International Geology Review vol. 40 no. 1; p. 78-93
DATE: 199801
ISSN: 0020-6814

G009. TITLE: Microbial diversity in ocean, surface and subsurface environments
AUTHOR(S): Barns, Susan M.; Nierzwicki-Bauer, Sandra A.
MONOGRAPH TITLE: Geomicrobiology; interactions between microbes and minerals
EDITOR(S): Banfield, Jillian F.; Nealson, Kenneth H.
PUBLISHER: Mineralogical Society of America, Washington, DC, United States
SOURCE: Reviews in Mineralogy vol. 35 p. 35-79
DATE: 1997
ISBN: 0-939950-45-6
ISSN: 0275-0279

G010. TITLE: Microbial diversity in ocean, surface and subsurface environments
AUTHOR(S): Barns, Susan M.; Nierzwicki-Bauer, Sandra A.

MONOGRAPH TITLE: Geomicrobiology; interactions between microbes and minerals
EDITOR(S): Banfield, Jillian F.; Nealson, Kenneth H.
SOURCE: Reviews in Mineralogy vol. 35 p. 35-79
DATE: 1997
ISBN: 0-939950-45-6
ISSN: 0275-0279

G011. TITLE: Hydrobasaluminite and aluminite in caves of the Guadalupe Mountains, New Mexico
AUTHOR(S): Polyak, Victor J.; Provencio, Paula
SOURCE: Journal of Cave and Karst Studies vol. 60 no. 1; p. 51-57
DATE: 199804
ISSN: 1090-6924

G012. TITLE: Air temperature and relative humidity study; Torgac Cave, New Mexico
AUTHOR(S): Forbes, Jeffrey
SOURCE: Journal of Cave and Karst Studies vol. 60 no. 1; p. 27-32
DATE: 199804

G013. TITLE: Tarryall topaz; Colorado specimens that combine the best of gemstones and gems
AUTHOR(S): Voynick, Steve
SOURCE: Rock & Gem vol. 28 no. 6; p. 80-83
DATE: 199806

G014. MONOGRAPH TITLE: Copper, lead, zinc, molybdenum, and associated metal deposits of Wyoming
AUTHOR(S): Hausel, W. Dan
SOURCE: Bulletin - Geological Survey of Wyoming
DATE: 1997 229 p.
ISSN: 0096-6053
REPORT NO.: 70

G015. TITLE: Mineral resources potential; salable minerals
AUTHOR(S): Raby, Andrew G.; Dersch, John S.
MONOGRAPH TITLE: Mineral resource potential and geology of the San Juan National Forest, Colorado; with a section on salable minerals
AUTHOR(S): Raby, Andrew G.; Dersch, John S.
SOURCE: U. S. Geological Survey Bulletin p. 131-132
DATE: 1997
ISSN: 8755-531X
REPORT NO.: B 2127
DATE: 199802
ISSN: 0016-7061
NOTE: Special issue

G021. TITLE: Deep in Nevada; there are still some little-known but productive gem and mineral sites
AUTHOR(S): Crippen, Rick
SOURCE: Rock & Gem vol. 28 no. 5; p. 80-83
DATE: 199805
ISSN: 0048-8453

G022. TITLE: The mysteries of meerschaum
AUTHOR(S): Voynick, Steve
SOURCE: Rock & Gem vol. 28 no. 5; p. 28-30
DATE: 199805
ISSN: 0048-8453

G023. TITLE: Gold in the California desert; past, present, and future
AUTHOR(S): Hill, Robert
SOURCE: California Geology vol. 51 no. 1; p. 14-25
DATE: 199802
ISSN: 0026-4555

G024. TITLE: Zeolites in the Cascade Range of northern Oregon
AUTHOR(S): Bargar, Keith E.; Oscarson, Robert L.
SOURCE: Oregon Geology vol. 59 no. 5; p. 107-122
DATE: 199710
ISSN: 0164-3304

G025. MONOGRAPH TITLE: Geology and mineral resources of the Cornudas Mountains, New Mexico
AUTHOR(S): Nutt, C. J.; O'Neill, J. M.; Kleinkopf, M. D.; Klein, D. P.; Miller, W. R.; Rodriquez, B. D.; McLemore, V. T.
SOURCE: Open-File Report - U. S. Geological Survey
DATE: 1997 46 p. 1 sheet
ISSN: 0196-1497
REPORT NO.: OF 97-0282

PETROLEUM/PETROLEUM ENGINEERING

G026. TITLE: More exploration possible in Kaiparowits Basin
AUTHOR(S): Anonymous
SOURCE: Oil and Gas Journal vol. 96 no. 10; p. 80
DATE: 19980309

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http://www.journals.uchicago.edu/AN/home.html

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(Vol.26 No. 1 Jan 96 - Jun 98)
http://www.nrc.ca/cisti/journals
click on Electronic Journals

Colorado School of Mines Quarterly
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(Vol.69 to present)
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click on AGI Home Page
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Vol. 25 No. 1 1993 - present
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Management Alert

M01. Lessons in life from Henny Youngman. Bottom Line/Personal, 18(18): 13-14. September 15, 1997.

M02. The Manager s Bill of Rights. Government Executive, 29(11): 8. November 1997.

M03. Results, Recognition & Rewards. McLean, VA: National Institute of Business Management; c1997: 39 p.

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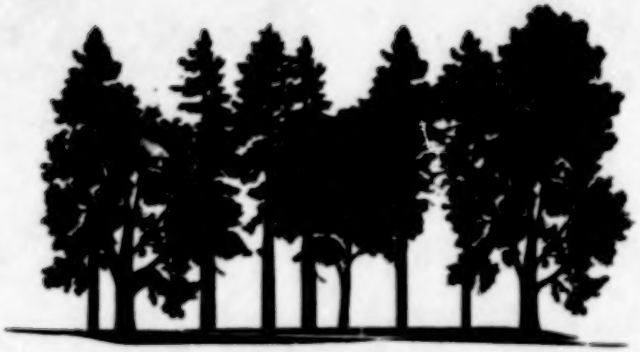

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FOREST FIRES--PREVENTION AND CONTROL--CONGRESSES.
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Bryner, Gary C. U.S. land and natural resources policy : a public issues
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WEATHER FORECASTING--CONGRESSES.
Symposium on Fire and Forest Meteorology (2nd : 1998 Phoenix, Arizona).
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Durtsche, Bruce M.
BLM's native wild sheep habitat management policy
-- Denver, Colo. : National Applied Resource Sciences Center, 1998.
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QH76 .R476 no.2

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Dittberner, Phillip L.
Echinacea : how much is enough?
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Dittberner, Phillip L.
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RANGE MANAGEMENT--U. S.

American Water Resources Association. Specialty Conference (1998 : Reno, Nevada)
Rangeland management and water resources : proceedings
-- Herndon, Va. : American Water Resources Association, 1998.
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American Water Resources Association. Specialty Conference (1998 : Reno, Nevada)
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WILDLIFE MANAGEMENT--U. S.

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